



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION IX LABORATORY  
1337 S. 46<sup>TH</sup> STREET BLDG 201  
RICHMOND, CA 94804-4698**

**MEMORANDUM**

**SUBJECT:** Field Audit Report  
Groundwater Monitoring Program, George Air Force Base, CA

**FROM:** Greg Nagle, Environmental Scientist  
EPA Region 9 Laboratory (PMD-2)

**THROUGH:** Brenda Bettencourt, Director  
EPA Region 9 Laboratory (PMD-2)

**TO:** James Chang, Remedial Project Manager  
Superfund Division (SFD-8-1)

Attached is a split sample report for sampling performed the week of April 10<sup>th</sup>, 2006. This report details observation made during the groundwater sample collection process.

If there are further questions concerning this field-sampling audit, please call Greg Nagle at (510) 412-2334.

ATTACHMENT: Field Audit Report

**George Air Force Base  
Basewide Groundwater Monitoring Program  
April 2006  
Field Audit Report**

**Introduction:**

On April 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> of 2006, Greg Nagle of the USEPA Region 9 Laboratory Field and Biology (FAB) team performed a field audit of groundwater sampling procedures in support of the George Air Force Base Groundwater Monitoring Program. Mr. Nagle also obtained split samples during the course of the field audit. The EPA FAB team conducted the field audit and split sampling in accordance with the following documents:

*Basewide Sampling and Analysis Plan (SAP), George Air Force Base, California HydroGeoLogic 1998.*

*Final 2003 Annual Sampling and Analysis Plan (SAP) Addendum Basewide Groundwater Monitoring Events, Operable Units 1, 2, and 3 George Air Force Base, California MWH Americas, Inc. July 2003.*

*Final Split Sampling Plan (SSP) Basewide Groundwater Monitoring Program, George Air Force Base, Victorville, California. (EPA Region 9 Field and Biology Team, April, 2006.)*

The FAB team identifies deviations from the project planning documents referenced above as findings in accordance with the following criteria:

1. Procedure not performed as specified in plan.
2. Procedure performed inconsistent with procedure specified in plan.
3. Appropriate procedure performed, procedure not specified in plan.
4. Inappropriate procedure performed.

**Audit Participants:**

**Project Management**

Sam Grizzle – Site Manager, Montgomery Watson Harza (MWH)

**Field Support Personnel**

Cole Munson – Principal Owner/Lead Sampler, M&M Environmental

Marlin Ellis – Sampler, M&M Environmental

**EPA Auditors**

Greg Nagle – USEPA Region 9 Laboratory

Joe Eidelberg – USEPA Region 9 Quality Assurance Office (QAO)

The EPA auditors observed sampling procedures and obtained split samples at the following locations as specified in the SSP.

| <u>Well ID</u> | <u>Parameters</u>   | <u>Description</u>                 |
|----------------|---------------------|------------------------------------|
| FT-03          | VOCs                | OU 1/OU 3/FT-19 Upper Aquifer      |
| MW-49          | VOCs                | OU 2/OU 3 Upper Aquifer            |
| MW-69          | VOCs                | OU 2/OU 3 Upper Aquifer            |
| NZ-27          | VOCs                | OU 1 Upper Aquifer                 |
| NZ-89          | OCPs                | OU 3 Upper Aquifer                 |
| NZ-107         | VOCs, LF Surrogates | OU 1/OU 3 Lower Aquifer - Landfill |
| WZ-06          | VOCs, Nat Att. Par  | OU 3/Site OT-51 Upper Aquifer      |

Notes:

VOCs – Volatile Organic Compounds

LF – Landfill Surrogates (i.e., Chloride, Nitrate, Sulfate)

Nat Att. Par. – Natural Attenuation Parameters (Total Organic Carbon, Alkalinity, Nitrate, Total Dissolved Solids)

OCPs – Organochlorine Pesticides

## **Procedures**

M&M collected all samples using the same portable submersible pump and control box. M&M calibrated field instruments, calculated purge volumes, followed sample collection/preservation protocols, and performed necessary decontamination procedures in between wells as specified in the planning documents. In so doing, M&M was able to collect sample from 3-4 wells per day.

MWH provided M&M with direction, answered questions, and reviewed paperwork during the course of sampling activities to ensure efficiency and adherence to plan specifications. MWH packed the coolers, filled out air bills, and delivered samples for overnight delivery. The laboratory received all samples within 24 hours of collection, at 4° C without incident.

Photographs, field logs, and chain-of-custody information gathered during the course of audit activities are presented as Exhibit A, B, and C respectively. Identified below are general and specific audit findings with recommendations for corrective action. None of the findings listed impact sample integrity.

## **General Findings:**

1. The projects' contract laboratory, Applied Physics and Chemistry Labs (APCL), Chino California unexpectedly announced it would no longer accept samples for environmental analysis effective April 1<sup>st</sup>, 2006. MWH is sending samples to EMAX Laboratories, Torrance, California. MWH reportedly audited EMAX within the last year for other projects. EMAX has experience with the US Air Force analytical requirements and data deliverables.
2. One field team (2 employees') of M&M Environmental unexpectedly quit immediately prior to the field audit. At the time of the field audit, M&M Environmental employed one very experienced sampler and one sampler in training.

### **Specific Findings:**

1. Field personnel failed to perform a calibration check for well stabilization parameters (i.e., pH, conductivity, turbidity and dissolved oxygen) at the end of the day on April 10<sup>th</sup>, 2006 as specified in Section 7.1.1.1 of the Basewide SAP (HydroGeologic, 1998).
2. At MWH's direction, field support personnel did not purge well WZ-06 using the Micro-Purge/Modified Micro-Purge procedure specified in section 6.1.1.1.2 of the Basewide SAP (HydroGeologic, 1998). Instead, MWH directed field personnel to place the pump one foot from the bottom of the well, and pump at a rate of approximately 1.5 gallons per minute (gpm) to purge roughly 75 gallons. When the water level recovered, pumping continued at a rate of approximately 0.25 gpm. Sample collection occurred upon stabilization of field parameters as specified 7.1 of the Basewide SAP Addendum (MWH, 2003). MWH modified this purge technique based on experience and data generated from previous sampling events.
3. The EPA QAO did not provide performance evaluation samples (PES) for all the chemical testing parameters as specified in the SSP. The QAO provides PES through Quality Assurance Testing Support (QATS) Contract Laboratory in Las Vegas, Nevada. EPA and the USAF field personnel submitted PES for volatile organic compounds, nitrate, and alkalinity only. The QATS Laboratory provided a PES for total organic carbon (TOC) as requested, however the container type and chemical preservative was inconsistent with that used by the field and specified in the SSP thus compromising the "double blind" PES submission. QATS provided the PES as directed by EPA.

### **Recommendations:**

1. MWH should perform an audit of EMAX Laboratories and communicate any project specific requirements as soon as possible. Given the recent closing of APCL, EMAX may be experiencing a significant influx of work from other projects.
2. Given the recent turnover in sampling support at M&M Environmental, and to a lesser degree Specific Finding 1, MWH should continue to provide on-site oversight support.
3. MWH should provide justification for the modified purge approach used at WZ-06 and document the procedure in an addendum to the Basewide SAP.
4. The EPA QAO should provide PES as specified in the SSP, or communicate changes with field personnel in advance of field sampling activities.

**Exhibit A**

**Photographs**



Measuring Water Depth



Setting the Pump



Collecting Sample



Disposing Purge/Decon Water

## **Exhibit B**

### **Field Logs**

**MWH****FIELD REPORT**

0750 Arrived at  
N2-108  
0800 Collected Equip  
rinse  
0825 Started well  
purge  
0855 Parameters Stable  
Collect Sample and  
start decon  
1000 Decon Complete  
Report N2-108

1005 Arrived at N2-107  
1040 Started well purge at 26 GPM  
1115 Collected samples - split samples with EPA  
1120 Started decon  
1230 Decon Complete - depart N2-107  
1405 Collect Sample - Start decon  
1500 Decon Complete - departed N2-60 to  
treatment plant to transfer water

|  |                  |             |             |
|--|------------------|-------------|-------------|
| Date: 4/18/66  | Job No.: 1951048 |             |             |
| Project: LTGWM   |                  |             |             |
| Location: GAFB   |                  |             |             |
| Weather: Clear and Cool  |                  |             |             |
| Present at Site: MUNSON - ELLIS - GRIZZLE<br>GREG NAGLE JOE EIDELBERG              |                  |             |             |
| Calibration Fluid Manufacturer and Lot#: 497X<br>AUTO CAL SOLUTION<br>EXP 07-05-07 |                  |             |             |
|  | Actual           | Beginning   | Ending      |
|  | Value            | Calibration | Calibration |
| Calibration Time:  | -                | 0825        |             |
| pH (SU)  | 4.0              | 3.98        |             |
| EC (ms/cm)   | 4.49             | 4.46        |             |
| Turbidity (NTU)  | 0                | 0           |             |
| Dissolved Oxygen (mg/L)  | N/A              | 1.85        |             |

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**MWH**  
MONTGOMERY WATSON HARZA

# MONITORING WELL SAMPLING LOG

Page 1 of 1

All measurements taken from: ☒ Top of Casing ☐ Protective Casing ☐ Ground Level Sample ID NZ-60-WG

Well Number NZ-60 Static Water Level (ft) 265.92

Date 4/18/06 Depth to Product (ft) N/A

Time Start: 1310 End: 1405 Total Well Depth (ft) 295.0'

Client AFCEE Standing Water Column (ft) 29.08

Project George AFB Basewide Groundwater Monitoring Purging Method Modified Micropurge

Sampler(s) MUNSON - ELL. 5 Purging Equipment 2" Grundfos Rediflow

Well Diameter 4" Borehole Diameter 8" Water Level Equipment Solinst

Screen interval 274.5 - 294.5 Field Parameter Meter HANNA HI-10

Pump Depth (ft) 280.46 ORP Meter HANNA

## FIELD PARAMETERS MEASURED

| TIME | AMOUNT PURGED (gallons)      | Purge Rate (gpm) | 5% EC (mS/cm) | 1% pH | 5% Temp (°C) | 10% or <10 Turbidity (NTU) | 5% ORP (mv) | 10% DO (mg/L) | Water Level (ft) |
|------|------------------------------|------------------|---------------|-------|--------------|----------------------------|-------------|---------------|------------------|
| 1310 | Started well purge at 29 GPM |                  |               |       |              |                            |             |               |                  |
| 1315 | 3.79                         | .30              | .790          | 7.64  | 21.6         | 238                        | 244         | 6.86          | 266.12           |
| 1320 | 5.38                         | .26              | .802          | 7.64  | 22.6         | 149                        | 243         | 6.58          | 266.09           |
| 1325 | 6.65                         | .27              | .802          | 7.63  | 23.1         | 106                        | 240         | 6.37          | 266.11           |
| 1330 | 8.00                         | .28              | .804          | 7.64  | 23.3         | 97                         | 245         | 6.31          | 266.11           |
| 1335 | 9.39                         | .28              | .807          | 7.64  | 23.7         | 81                         | 244         | 6.30          | 266.11           |
| 1340 | 10.94                        | .29              | .811          | 7.64  | 24.2         | 50                         | 240         | 5.82          | 266.11           |
| 1345 | 12.29                        | .29              | .812          | 7.64  | 24.0         | 33                         | 244         | 5.87          | 266.11           |
| 1350 | 13.46                        | .22              | .814          | 7.64  | 23.7         | 18                         | 242         | 5.84          | 266.11           |
| 1355 | 14.44                        | .21              | .815          | 7.64  | 23.7         | 11                         | 244         | 5.87          | 266.11           |
| 1400 | 15.22                        | .20              | .816          | 7.64  | 22.5         | 4                          | 242         | 5.88          | 266.11           |
| 1405 | Collect Sample               |                  |               |       |              |                            |             |               |                  |

## FIELD SCREENING ANALYSIS

| Parameter        | Method/Instrument | Measurement 1 | Measurement 2 | Average Measurement | Date/Time | Sampler |
|------------------|-------------------|---------------|---------------|---------------------|-----------|---------|
| H <sub>2</sub> S |                   |               |               |                     |           |         |
| Fe <sup>2+</sup> |                   |               |               |                     |           |         |

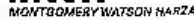
## OBSERVATIONS OF GROUNDWATER SAMPLES

Color: Clear Other (describe):

Odor: None Low Medium High Fuel-like Other (describe):

Comments:



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Pump Depth (ft) 272.85 ORP Meter HANNA

### FIELD SCREENING ANALYSIS

### OBSERVATIONS OF GROUNDWATER SAMPLES

**Comments:**



## Page 1 of 1

All measurements taken from: ☒ Top of Casing ☐ Protective Casing ☐ Ground Level Sample ID NZ-107-WG

Well Number NZ-107 Static Water Level (ft) 256.70

Date 4/18/06 Depth to Product (ft) N/A

Time Start: 1640 End: 1115 Total Well Depth (ft) 280.0

Client AFCOE Standing Water Column (ft) 23.30

Project George AFB Basewide Groundwater Monitoring Purging Method Modified Micropurge

Sampler(s) MANSON-ELLIS Purging Equipment 2' Grundfos Redflow

Well Diameter 4" Borehole Diameter 8" Water Level Equipment Solinst

Screen Interval 260.0' - 280.0 Field Parameter Meter HORIBA U-10

Pump Depth (ft) 268.35 ORP Meter HANNA

[illegible]

| Parameter        | Method/Instrument | Measurement 1 | Measurement 2 | Average Measurement | Date/Time | Sampler |
|------------------|-------------------|---------------|---------------|---------------------|-----------|---------|
| H <sub>2</sub> S |                   |               |               |                     |           |         |
| Fe <sup>2+</sup> |                   |               |               |                     |           |         |

|           |       |                   |        |      |           |                   |  |
|-----------|-------|-------------------|--------|------|-----------|-------------------|--|
| Color:    | Clear | Other (describe): |        |      |           |                   |  |
| Odor:     | None  | Low               | Medium | High | Fuel-like | Other (describe): |  |
| Comments: |       |                   |        |      |           |                   |  |
|           |       |                   |        |      |           |                   |  |
|           |       |                   |        |      |           |                   |  |
|           |       |                   |        |      |           |                   |  |

**MWH****FIELD REPORT**

0745 arrived at  
 FT-03  
 0810 Collected Equip  
 Blank  
 0820 Started well  
 Purge @ .25 GPM  
 0850 Collected sample  
 Start Decon  
 1005 Decon Complete  
 Depart FT-03 for  
 N2-89  
 1015 arrived at  
 N2-89  
 1040 Started well purge @ .48 GPM  
 1110 Collected Sample - EPA Split  
 1215 Decon Complete - Departed N2-89 to treatment  
 plant to dump purge water  
 1225 arrived at treatment plant - began purge  
 water discharge 1245 discharge complete  
 Departed treat. plant for MW 69  
 1315 arrived at MW 69  
 1425 Began well purge - MW 69  
 1500 Collect Sample - Start Decon

|   |                  |             |             |
|---|------------------|-------------|-------------|
| Date: 4/11/06                                 | Job No.: 1951048 |             |             |
| Project: LTB-MW                               |                  |             |             |
| Location: GAFB                                |                  |             |             |
| Weather: Cloudy-Cool                          |                  |             |             |
| Present at Site: WALTON-ELLIS                 |                  |             |             |
| Auto  |                  |             |             |
| Calibration Fluid Manufacturer and Lot#: 4974 |                  |             |             |
| AUTOCH solution EXP 7/6/07                    |                  |             |             |
|   | Actual           | Beginning   | Ending      |
|   | Value            | Calibration | Calibration |
| Calibration Time:                             | -                | 0815        | 1525        |
| pH (SU)                                       | 4.0              | 3.99        | 3.9K        |
| EC (ms/cm)                                    | 4.49             | 4.50        | 4.88        |
| Turbidity (NTU)                               | 0                | 0           | 0           |
| Dissolved Oxygen (mg/L)                       | ✓                | 12.05       | 9.83        |

PAGE \_\_\_\_ OF \_\_\_\_

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**MWH**  
MONTGOMERY WATSON HARZA

# MONITORING WELL SAMPLING LOG

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All measurements taken from: ☒ Top of Casing ☐ Protective Casing ☐ Ground Level Sample ID FT-03-WG

Well Number FT-03 Static Water Level (ft) 113.60

Date 4/11/06 Depth to Product (ft) N/A

Time Start: 0820 End: 0850 Total Well Depth (ft) 168.5'

Client AFCEE Standing Water Column (ft) 54.9'

Project George AFB Basewide Groundwater Monitoring Purging Method Modified Micropurge

Sampler(s) MUNSON - ELLIS Purging Equipment 2' Grundfos Rediflow

Well Diameter 4" Borehole Diameter 8" Water Level Equipment Solinst

Screen Interval 133.5' - 168.5' Field Parameter Meter HORIBA U-10

Pump Depth (ft) 141.05 ORP Meter HANNA

## FIELD PARAMETERS MEASURED

| TIME | AMOUNT<br>PURGED<br>(gallons) | Purge Rate<br>(gpm) | 5%<br>EC<br>(mS/cm) | 1%<br>pH | 5%<br>Temp<br>(°C) | 10% or <10<br>Turbidity<br>(NTU) | 5%<br>ORP<br>(mv) | 10%<br>DO<br>(mg/L) | Water Level<br>(ft) |
|------|-------------------------------|---------------------|---------------------|----------|--------------------|----------------------------------|-------------------|---------------------|---------------------|
| 0820 | Started well purge @ 126 GPM  |                     |                     |          |                    |                                  |                   |                     |                     |
| 0825 | 2.02                          | 25                  | .581                | 7.90     | 18.7               | 3                                | 240               | 6.82                | 113.80              |
| 0830 | 3.51                          | 26                  | .587                | 8.19     | 20.1               | 4                                | 240               | 6.35                | 113.75              |
| 0835 | 4.65                          | 26                  | .587                | 8.27     | 20.5               | 4                                | 241               | 6.35                | 113.75              |
| 0840 | 6.32                          | 26                  | .587                | 8.28     | 20.8               | 4                                | 241               | 6.33                | 113.75              |
| 0845 | 7.86                          | 27                  | .587                | 8.28     | 21.0               | 5                                | 242               | 6.35                | 113.76              |
| 0850 | Collect Sample                |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |
|      |                               |                     |                     |          |                    |                                  |                   |                     |                     |

## FIELD SCREENING ANALYSIS

| Parameter        | Method/Instrument | Measurement 1 | Measurement 2 | Average Measurement | Date/Time | Sampler |
|------------------|-------------------|---------------|---------------|---------------------|-----------|---------|
| H <sub>2</sub> S |                   |               |               |                     |           |         |
| Fe <sup>2+</sup> |                   |               |               |                     |           |         |

## OBSERVATIONS OF GROUNDWATER SAMPLES

Color: Clear Other (describe):

Odor: None Low Medium High Fuel-like Other (describe):

Comments:



**MWH**  
MONTGOMERY WATSON HARZA

# MONITORING WELL SAMPLING LOG

Page 1 of 1

All measurements taken from: ☒ Top of Casing ☐ Protective Casing ☐ Ground Level Sample ID NZ-89-WG

Well Number NZ-89 Static Water Level (ft) 121.72

Date 04-11-06 Depth to Product (ft) N/A

Time Start: 1040 End: 1110 Total Well Depth (ft) 128.5

Client AFCEE Standing Water Column (ft) 6.78'

Project George AFB Basewide Groundwater Monitoring Purging Method Modified Micropurge

Sampler(s) MUNSON-ELLIS Purging Equipment 2' Grundfos Redflow

Well Diameter 4" Borehole Diameter 8" Water Level Equipment SOLINST

Screen Interval 108'-128.5 Field Parameter Meter HORIBA U-10

Pump Depth (ft) 125.11 ORP Meter HANNA

## FIELD PARAMETERS MEASURED

| TIME | AMOUNT<br>PURGED<br>(gallons) | Purge Rate<br>(gpm) | 5%            | 1%   | 5%           | 10% or <10         | 5%          | 10%          | Water Level<br>(ft) |
|------|-------------------------------|---------------------|---------------|------|--------------|--------------------|-------------|--------------|---------------------|
|      |                               |                     | EC<br>(mS/cm) | pH   | Temp<br>(°C) | Turbidity<br>(NTU) | ORP<br>(mv) | DO<br>(mg/L) |                     |
| 1040 | Start well purge at           |                     |               |      |              |                    |             |              | 121.72              |
| 1045 | 4.43                          | .40                 | 7.91          | 7.92 | 18.6         | 11                 | 266         | 6.39         | 121.75              |
| 1050 | 6.72                          | .27                 | 7.92          | 7.92 | 20.5         | 9                  | 232         | 6.03         | 121.73              |
| 1055 | 8.84                          | .27                 | 7.93          | 7.93 | 21.3         | 10                 | 237         | 5.88         | 121.75              |
| 1100 | 10.80                         | .40                 | 7.94          | 7.94 | 21.3         | 10                 | 237         | 5.83         | 121.75              |
| 1105 | 12.13                         | .36                 | 7.94          | 7.94 | 21.3         | 8                  | 239         | 5.85         | 121.75              |
| 1110 | Collect Sample                |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |
|      |                               |                     |               |      |              |                    |             |              |                     |

## FIELD SCREENING ANALYSIS

| Parameter        | Method/Instrument | Measurement 1 | Measurement 2 | Average Measurement | Date/Time | Sampler |
|------------------|-------------------|---------------|---------------|---------------------|-----------|---------|
| H <sub>2</sub> S |                   |               |               |                     |           |         |
| Fe <sup>2+</sup> |                   |               |               |                     |           |         |

## OBSERVATIONS OF GROUNDWATER SAMPLES

Color: Clear Other (describe):

Odor: None Low Medium High Fuel-like Other (describe):

Comments:

Page 1 of 1

Well Number MW-69 Static Water Level (ft) 125.70  
Date 4/11/06 Depth to Product (ft) N  
Time Start: 1425 End: 1500 Total Well Depth (ft) 180  
Client AFCEE Standing Water Column (ft) 14.3  
Project George AFB Basewide Groundwater Monitoring Purging Method Modified Micropurge  
Sampler(s) MUNSON-ELLIS Purging Equipment 2" Grundfos Rediflow  
Well Diameter 4" Borehole Diameter 12" Water Level Equipment SOLINST  
Screen Interval 120' - 140' Field Parameter Meter HELIABA 6-10  
Pump Depth (ft) 138.5 138.7 ORP Meter HANNA

[illegible]

| FIELD SCREENING ANALYSIS |                   |               |               |                     |           |         |
|--------------------------|-------------------|---------------|---------------|---------------------|-----------|---------|
| Parameter                | Method/Instrument | Measurement 1 | Measurement 2 | Average Measurement | Date/Time | Sampler |
| H <sub>2</sub> S         |                   |               |               |                     |           |         |
| Fe <sup>2+</sup>         |                   |               |               |                     |           |         |

| OBSERVATIONS OF GROUNDWATER SAMPLES |       |                   |        |      |                             |
|-------------------------------------|-------|-------------------|--------|------|-----------------------------|
| Color:                              | Clear | Other (describe): |        |      |                             |
| Odor:                               | None  | Low               | Medium | High | Fuel-like Other (describe): |
| Comments:                           |       |                   |        |      |                             |
|                                     |       |                   |        |      |                             |
|                                     |       |                   |        |      |                             |
|                                     |       |                   |        |      |                             |



**MWH****FIELD REPORT**

0815 Arrived  
at W2-06  
0845 Started well  
Purge at 1.46pm  
Well gauge 756A1  
on until well  
pumps dry.

0935 Pumped 75 gal  
Reset pump to 121'  
and restarted  
purge at normal  
purge rate.

1015 Collected sample - Start decon.

1115 Decon Complete - Depart W2-06

1230 Arrived at MW 49 - Started decon

1435 Decon Complete lowered pump to 142.30

1445 Started well purge

1515 Collect Sample - Start decon

|   |                  |             |             |
|---|------------------|-------------|-------------|
| Date: 4/12/06                                 | Job No.: 1951048 |             |             |
| Project: LT GWM                               |                  |             |             |
| Location: BTEB                                |                  |             |             |
| Weather: Clear Cool                           |                  |             |             |
| Present at Site: Munson - Ellis               |                  |             |             |
| Calibration Fluid Manufacturer and Lot#: 4974 |                  |             |             |
| AutoCal Exp. 07-05-07                         |                  |             |             |
|   | Actual           | Beginning   | Ending      |
|   | Value            | Calibration | Calibration |
| Calibration Time:                             | -                | 6740        | 1530        |
| pH (SU)                                       | 4.0              | 3.95        | 3.79        |
| EC (ms/cm)                                    | 4.49             | 4.52        | 4.48        |
| Turbidity (NTU)                               | 0                | 0           | 0           |
| Dissolved Oxygen (mg/L)                       | ✓                | 1139        | 8.90        |

PAGE 1 OF 1

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Munson

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P.02/05

MAR-10-1900 18:44


**MWH**  
 MONTGOMERY WATSON HARRIS

## MONITORING WELL SAMPLING LOG

Page 1 of     

All measurements taken from: ☒ Top of Casing ☐ Protective Casing ☐ Ground Level Sample ID WZ-06-WG

Well Number WZ-06 Static Water Level (ft) 113.35

Date 4/12/06 Depth to Product (ft) N/A

Time Start: 0845 End: 1015 Total Well Depth (ft) 133.0

Client AFCEE Standing Water Column (ft) 20.0

Project George AFB Basewide Groundwater Monitoring Purging Method Modified Micropurge

Sampler(s) MUNSEN-ELLIS Purging Equipment 2' Grundfos Rediflow

Well Diameter 4" Borehole Diameter 8" Water Level Equipment S&B INST

Screen Interval 113.0' - 133.0' Field Parameter Meter HORIBA U-10

Pump Depth (ft) 132.0' / 123 ORP Meter HANNA

| FIELD PARAMETERS MEASURED |                                |                     |               |      |              |                    |             |              |                     |
|---------------------------|--------------------------------|---------------------|---------------|------|--------------|--------------------|-------------|--------------|---------------------|
| TIME                      | AMOUNT<br>PURGED<br>(gallons)  | Purge Rate<br>(gpm) | 5%            | 1%   | 5%           | 10% or <10         | 5%          | 10%          | Water Level<br>(ft) |
|                           |                                |                     | EC<br>(mS/cm) | pH   | Temp<br>(°C) | Turbidity<br>(NTU) | ORP<br>(mv) | DO<br>(mg/L) |                     |
| 0845                      | Started Well purge @ 1.46 gpm  |                     |               |      |              |                    |             |              | 113.35              |
| 0855                      | 20.0                           | 1.47                | .572          | 7.06 | 23.1         | 32                 | 228         | 2.48         | 115.87              |
| 0910                      | 32.5                           | 1.45                | .583          | 7.83 | 23.7         | 20                 | 221         | 2.36         | 115.65              |
| 0920                      | 57.70                          | 1.46                | .584          | 7.95 | 23.9         | 17                 | 227         | 2.10         | 116.02              |
| 0935                      | 74.66                          | 1.46                | .585          | 7.98 | 24.0         | 20                 | 228         | 2.14         | 116.14              |
| 0950                      | Restarted well purge @ 2.2 Gpm |                     |               |      |              |                    |             |              |                     |
| 0955                      | 1.50                           | .23                 | .584          | 8.03 | 22.8         | 12                 | 142         | 2.18         | 114.02              |
| 1000                      | 2.85                           | .21                 | .586          | 8.00 | 22.6         | 14                 | 180         | 2.29         | 113.92              |
| 1005                      | 3.87                           | .22                 | .582          | 7.99 | 23.4         | 14                 | 192         | 2.19         | 113.92              |
| 1010                      | 4.35                           | .22                 | .584          | 7.98 | 23.6         | 14                 | 192         | 2.16         | 113.92              |
| 1015                      | Collect Samples                |                     |               |      |              |                    |             |              |                     |

## FIELD SCREENING ANALYSIS

| Parameter        | Method/Instrument | Measurement 1 | Measurement 2 | Average Measurement | Date/Time | Sampler |
|------------------|-------------------|---------------|---------------|---------------------|-----------|---------|
| H <sub>2</sub> S |                   |               |               |                     |           |         |
| Pb <sup>2+</sup> |                   |               |               |                     |           |         |

## OBSERVATIONS OF GROUNDWATER SAMPLES

|           |  |                   |        |      |           |                   |
|-----------|--|-------------------|--------|------|-----------|-------------------|
| Color:    | Clear                                    | Other (describe): |        |      |           |                   |
| Odor:     | None                                     | Low               | Medium | High | Fuel-like | Other (describe): |
| Comments: | Pump placed one foot from bottom of well |                   |        |      |           |                   |
|           |  |                   |        |      |           |                   |
|           |  |                   |        |      |           |                   |

12-01 GAFFB

TOTAL P.05





## **Chain-of Custody Records**

# USEPA Contract Laboratory Program Generic Chain of Custody

Reference Case: 35220  
Client No:

R

| Region: 9<br>Project Code:<br>Account Code:<br>CERCLIS ID:<br>Spill ID:<br>Site Name/State:<br>Project Leader:<br>Action:<br>Sampling Co: | Date Shipped: 4/12/2006<br>Carrier Name: FedEx<br>Airbill: 8451 9656 9820<br>Shipped to:<br>EPA Region 9 Laboratory<br>Building 201<br>Richmond CA 94804<br>(510) 412-2377 | <b>Chain of Custody Record</b><br><table border="1"> <thead> <tr> <th>Requisitioned By</th> <th>(Date / Time)</th> <th>Sampler Signature</th> <th>Received By</th> <th>(Date / Time)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Requisitioned By | (Date / Time) | Sampler Signature | Received By | (Date / Time) | 1 |  |  |  |  | 2 |  |  |  |  | 3 |  |  |  |  | 4 |  |  |  |  |
|---|--|--|------------------|---------------|-------------------|-------------|---------------|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|
| Requisitioned By  | (Date / Time)  | Sampler Signature  | Received By      | (Date / Time) |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 1   |  |  |                  |               |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 2   |  |  |                  |               |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 3   |  |  |                  |               |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 4   |  |  |                  |               |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |

| SAMPLE No. | MATRIX/ SAMPLER          | CONC/ TYPE | ANALYSIS/ TURNAROUND     | TAG No./ PRESERVATIVE/ Borks   | STATION LOCATION | SAMPLE COLLECT DATE/TIME | QC Type |
|------------|--------------------------|------------|--------------------------|--|------------------|--------------------------|---------|
| VZFX6      | Ground Water/ Greg Nagle | L/G        | ALK & NO3 (21)           | 151 (Ice Only) (1)   | MM-200           | S: 4/12/2006 14:00       | PE      |
| VZFX7      | Ground Water/ Greg Nagle | L/G        | ALK & NO3 (21), TOC (21) | 130 (HCL), 131 (HCL), 136 (Ips Only), 137 (Ips Only), 138 (Ips Only) (5) | WZ-06            | S: 4/12/2006 10:15       | -       |

|  |  |
|--|--|
| Shipped for Case Complete ? N<br>Sample(s) to be used for laboratory QC:<br>YZFX7<br>Additional Sampler Signature(s):<br>Chain of Custody Seal Number: | Analysts Key:<br>ALK & NO3 = Alkalinity & Nitrate, TOC = Total Organic Carbon<br>Concentration: L = Low, M = Low/Medium, H = High<br>Type/Designate: Composite = C, Grab = G<br>Shipment lost? |
|--|--|

**TR Number: 9-265062414-041206-0002**  
 PR provides preliminary results. Requests for preliminary results will increase analytical costs.  
 Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3919; Phone 703/818-4200; Fax 703/818-4200  
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 E275.1047 Page 1 of 1

# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case No: 35220  
DAS No:

R

|  |  |  |  |
|--|--|--|--|
| Region: 9<br>Project Code: 1<br>Account Code: CA2570024453<br>CERCLIS ID: Q7<br>Spill ID: George Air Force Base/CA<br>Site Name/State: Greg Negle<br>Project Leader: Combined RI/FS<br>Action: EPA Region 9 Laboratory<br>Sampling Co: |  | Date Shipped: 4/10/2006<br>Carrier Name: FedEx<br>Airbill: 8451-9866-9771<br>Shipped to: A4 Scientific<br>1544 Sawdust Road<br>Suite 505<br>The Woodlands TX 77380<br>(281) 292-5277 |  |
| <b>Chain of Custody Record</b>   |  | Sampler Signature<br>Received By (Date / Time)   |  |
| Requisitioned By (Date / Time)   |  | 1<br>2<br>3<br>4   |  |

| ORGANIC SAMPLE NO. | MATRIX/ SAMPLER          | CONC/ TYPE | ANALYSIS TURNAROUND | TAG No/ PRESERVATIVE BAKES  | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE NO. | QC Type |
|--------------------|--------------------------|------------|---------------------|---|------------------|--------------------------|----------------------|---------|
| YZFX1              | Ground Water/ Greg Negle | UG         | VOA (21)            | 112 (HCL), 113 (HCL), 114 (HCL), 115 (HCL), 116 (HCL), 117 (HCL), 118 (HCL), 119 (HCL), 120 (HCL) (S) | NZ-107           | S: 4/10/2006 11:15       |                      |         |

|   |  |   |
|---|--|---|
| Shipment for Case Complete? N<br>YZFX1<br>Concentration: L = Low, M = Low/Medium, H = High<br>VOA = CLP TCL Volatiles | Sample(s) to be used for laboratory QC:<br>Additional Sampler Signature(s):<br>Type/Designate: Composite = C, Grab = G | Chain of Custody Seal Number:<br>Shipment Receipt |
|---|--|---|

**TR Number: 9-265062414-041006-0001**  
 PR provides preliminary results. Requests for preliminary results will increase analytical costs.  
 Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819, Phone 703/618-4200, Fax 703/618-4500  
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 P2V6.1.067 Page 1 of 1

# EPA USEPA Contract Laboratory Program Generic Chain of Custody

Reference Case: 35220  
Client No:

R

|   |  |   |  |                           |  |
|---|--|---|--|---------------------------|--|
| Region: 9                                 |  | Date Shipped: 4/10/2006   |  | Chain of Custody Record   |  |
| Project Code: 1                           |  | Carrier Name: FedEx   |  | Sampler Signature         |  |
| Account Code: CA2570024453                |  | Amount: 8451-9856-9762  |  | Received By (Date / Time) |  |
| Spill ID: Q7                              |  | Shipped to: EPA Region 9 Laboratory<br>1337 South 46th Street,<br>Building 201<br>Richmond CA 94804<br>(510) 412-2377 |  | 1                         |  |
| Site Name/State: George Air Force Base/CA |  |   |  | 2                         |  |
| Project Leader: Greg Negle                |  |   |  | 3                         |  |
| Action: Combined RI/FS                    |  |   |  | 4                         |  |
| Sampling Co: EPA Region 9 Laboratory      |  |   |  |                           |  |

| SAMPLE No. | MATRIX<br>SAMPLER | CONC/<br>TYPE | ANALYSIS<br>TURNS/ROUND | TAG No/<br>PRESERVATIVE Solids                     | STATION<br>LOCATION | SAMPLE COLLECT<br>DATE/TIME | QC<br>Type |
|------------|-------------------|---------------|-------------------------|--|---------------------|-----------------------------|------------|
| YZFX1      | Ground Water      | U/G           | Antons & T (21)         | 121 (Ice Only), 122 (Ice Only), 123 (Ice Only) (3) | NZ-107              | S: 4/10/2006 11:15          |            |
|            | Greg Negle        |               |                         |  |                     |                             |            |

|   |  |   |                               |
|---|--|---|-------------------------------|
| Shipment for Case Complete 2 K          | Sample(s) to be used for laboratory QC: YZFX1    | Additional Sampler Signature(s):          | Chain of Custody Seal Number: |
| Analysis Key: Antons & T = Antons & TDS | Concentration: L = Low, M = Low/Medium, H = High | Type/Designation: Composite = C, Grab = G | Shipment Lead?                |

IR Number: 9-265062414-041006-0002  
 PR provides preliminary results. Requests for preliminary results will increase analytical costs.  
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 F2V5.1.047 Page 1 of 1

# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case No: 35220  
DAS No:

R

| Region: 9<br>Project Code: 1<br>Account Code: CA2570024453<br>CERCLUS ID: Q7<br>SMI ID: George Air Force Base/CA<br>Site Name/State: Greg Nagle<br>Project Leader: Combined RIFS<br>Action: EPA Region 9 Laboratory<br>Sampling Co: | Date Shipped: 4/11/2006<br>Carrier Name: FedEx<br>Airbill: 8415 9856 9830<br>Shipped to: A4 Scientific<br>1544 Sawdust Road<br>Suite 505<br>The Woodlands TX 77380<br>(281) 292-5277 | <b>Chain of Custody Record</b><br><table border="1"> <tr> <th>Relinquished By</th> <th>(Date / Time)</th> <th>Sampler Signature</th> <th>Received By</th> <th>(Date / Time)</th> </tr> <tr> <td>1</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | Relinquished By | (Date / Time) | Sampler Signature | Received By | (Date / Time) | 1 |  |  |  |  | 2 |  |  |  |  | 3 |  |  |  |  | 4 |  |  |  |  |
|---|--|---|-----------------|---------------|-------------------|-------------|---------------|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|---|--|--|--|--|
| Relinquished By   | (Date / Time)  | Sampler Signature   | Received By     | (Date / Time) |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 1   |  |   |                 |               |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 2   |  |   |                 |               |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 3   |  |   |                 |               |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |
| 4   |  |   |                 |               |                   |             |               |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |   |  |  |  |  |

| ORGANIC SAMPLE NO. | MATRIX/ SAMPLER          | CONC/ TYPE | ANALYSIS TURNAROUND | TAG NO./ PRESERVATIVE/ BOTTLES   | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE NO. | QC Type    |
|--------------------|--------------------------|------------|---------------------|--|------------------|--------------------------|----------------------|------------|
| Y2FW8              | Ground Water/ Greg Nagle | LG         | VOA (21)            | 103 (HCL), 104 (HCL), 105 (HCL) (3)  | FT-03            | S: 4/11/2006 8:50        |                      |            |
| Y2FW9              | Ground Water/ Greg Nagle | LG         | VOA (21)            | 106 (HCL), 107 (HCL), 108 (HCL) (3)  | MM-69            | S: 4/12/2006 15:00       |                      |            |
| Y2FX2              | Ground Water/ Greg Nagle | LG         | PEST (21)           | 124 (Ice Only), 125 (Ice Only), 126 (Ice Only), 127 (Ice Only), 128 (Ice Only), 129 (Ice Only) (6) | NZ-69            | S: 4/11/2006 11:10       |                      |            |
| Y2FX4              | Field QC/ Greg Nagle     | LG         | VOA (21)            | 145 (HCL), 146 (HCL), 147 (HCL) (3)  | 04112006TB       | S: 4/11/2006 15:15       |                      | Trip Blank |

|  |   |   |
|--|---|---|
| Shipment for Case Complete? N<br>Sample(s) to be used for laboratory QC: Y2FX2<br>Analysis Key: PEST = CLP TCL Pesticides/PCBs, VOA = CLP TCL Volatiles<br>Concentration: L = Low, M = Low/Medium, H = High<br>Type/Designate: Composite = C, Grab = G | Additional Sampler Signature(s):<br>Type/Designate: Composite = C, Grab = G | Chain of Custody Seal Number:<br>Shipment lead? |
|--|---|---|

TR Number: 9-265062414-041006-0003  
 PR provides preliminary results. Requests for preliminary results will increase analytical costs.  
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 F2M5.1.047 Page 1 of 1

# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case No: 35220  
DAS No:

R

|   |                      |                            |                     |                                     |                     |
|---|----------------------|----------------------------|---------------------|-------------------------------------|---------------------|
| Region: 9                                 |                      | Date Shipped: 4/10/2006    |                     | Chain of Custody Record             |                     |
| Project Code: 7                           |                      | Carrier Name: FedEx        |                     | Sampler Signature                   |                     |
| Account Code: CA2570024453                |                      | Adbill: 8451 9856 9771     |                     | Received By (Date / Time)           |                     |
| Spill ID: Q7                              |                      | Shipped for: A4 Scientific |                     | 1                                   |                     |
| Site Name/State: George Air Force Base/CA |                      | 1644 Sawdust Road          |                     | 2                                   |                     |
| Project Leader: Greg Nagle                |                      | Suite 505                  |                     | 3                                   |                     |
| Action: Combined RI/FS                    |                      | The Woodlands TX 77380     |                     | 4                                   |                     |
| Sampling Co: EPA Region 9 Laboratory      |                      | (281) 292-6277             |                     |                                     |                     |
| ORGANIC SAMPLE NO.                        | MATRIX/ SAMPLER TYPE | CONC/ TURBIDITY            | ANALYSIS TURNAROUND | TAG No./ PRESERVATIVE Batches       | STATION LOCATION    |
| 725733                                    | Field QCF            | LG                         | VOA (21)            | 142 (HCL), 143 (HCL), 144 (HCL) (3) | 04102006TB          |
|   | Greg Nagle           |                            |                     |                                     | \$: 4/10/2006 13:30 |
|   |                      |                            |                     |                                     | Trip Blank          |

|                                  |  |   |                               |
|----------------------------------|--|---|-------------------------------|
| Signature for Case Completion: N | Sample(s) to be used for laboratory QC:          | Additional Sampler Signatures:          | Chain of Custody Seal Number: |
| Analysis Key:                    | Concentration: L = Low, M = Low/Medium, H = High | Type/Designate: Composite = C, Grab = G | Shipment Lead?                |
| VOA = CLP TCL Volatiles          |  |   |                               |

IR Number: 9-265062414-041106-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3619, Phone 703/818-4200, Fax 703/818-4200

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FVS-1.047 Page 1 of 1

# USEPA Contract Laboratory Program Organic Traffic Report & Chain of Custody Record

Case No: 35220  
DAS No:

R

|  |  |
|--|--|
| <b>Region:</b> 9<br><b>Project Code:</b> 7<br><b>Account Code:</b> CA2670024453<br><b>CERCLIS ID:</b> Q7<br><b>Spill ID:</b> George Air Force Base/CA<br><b>Site Name/State:</b> George Air Force Base/CA<br><b>Project Leader:</b> Greg Nagle<br><b>Action:</b> Combined RI/FS<br><b>Sampling Co:</b> EPA Region 9 Laboratory | <b>Date Shipped:</b> 4/12/2006<br><b>Carrier Name:</b> FedEx<br><b>Airbill:</b> 8451 9856 9808<br><b>Shipped to:</b> A4 Scientific<br>1544 Sawdust Road<br>Suite 505<br>The Woodlands TX 77380<br>(281) 292-6277 |
| <b>Chain of Custody Record</b>   |  |
| <b>Relinquished By</b> _____<br>(Date / Time) _____  | <b>Sampler Signature:</b> _____<br><b>Received By</b> _____<br>(Date / Time) _____   |
| 1  |  |
| 2  |  |
| 3  |  |
| 4  |  |

| ORGANIC SAMPLE NO. | MATRIX/ SAMPLER          | CONC/ TYPE | ANALYSIS TURNOVER | TAG No./ PRESERVATIVE Bottles       | STATION LOCATION | SAMPLE COLLECT DATE/TIME | INORGANIC SAMPLE NO. | QC Type    |
|--------------------|--------------------------|------------|-------------------|-------------------------------------|------------------|--------------------------|----------------------|------------|
| Y2FW7              | Ground Water/ Greg Nagle | MG         | VOA (21)          | 100 (HCL), 101 (HCL), 102 (HCL) (3) | NZ-27            | S: 4/12/2006 12:25       |                      | -          |
| Y2FX0              | Ground Water/ Greg Nagle | MG         | VOA (21)          | 109 (HCL), 110 (HCL), 111 (HCL) (3) | MM-49            | S: 4/12/2006 15:15       |                      | -          |
| Y2FX5              | Field QCL/ Greg Nagle    | L/G        | VOA (21)          | 148 (HCL), 149 (HCL), 150 (HCL) (3) | 04122006TB       | S: 4/12/2006 15:00       |                      | Trip Blank |
| Y2FX6              | Ground Water/ Greg Nagle | L/G        | VOA (21)          | 156 (HCL), 158 (HCL), 157 (HCL) (3) | MM-200           | S: 4/12/2006 14:00       |                      | PE         |
| Y2FX7              | Ground Water/ Greg Nagle | L/G        | VOA (21)          | 139 (HCL), 140 (HCL), 141 (HCL) (3) | WZ-06            | S: 4/12/2006 10:15       |                      | -          |

|   |   |  |                                      |
|---|---|--|--------------------------------------|
| <b>Segment for Case Complete? N</b>             | <b>Samples to be used for laboratory QC:</b>            | <b>Additional Sampler Signature(s):</b>        | <b>Chain of Custody Seal Number:</b> |
| <b>Analysis Key:</b><br>VOA = CLP TCL Volatiles | <b>Concentration:</b> L = Low, M = Low/Medium, H = High | <b>Type/Designate:</b> Composite = G, Grab = G | <b>Shipment Rec'd?</b>               |

**TR Number:** 9-265062414-041106-0003  
 PR provides preliminary results. Requests for preliminary results will increase analytical costs.  
 Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819, Phone 703/918-4200, Fax 703/918-4207  
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